FORM PTO-139		ATTORNEY DOCKET NUMBER UPN-4566							
U.S. DEPA	RTMENT OF COMMERCE PA								
D	ANSMITTAL LETTER TO DESIGNATED/ELECTED	U.S. APPLICATED TO B. OKO 11 2: 37 CFR 1.5)							
	ONCERNING A FILING NAL APPLICATION NO.	UNDER 35 U.S.C. 371 INTERNATIONAL FILING DATE	PRIORITY DATE CLAIMED						
PCT/US2003/039714		12 December 2003 (12.12.2003)	13 December 2002 (13.12.2002)						
TITLE OF INVENTION PRACTICAL PULSE SYNTHESIS VIA THE DISCRETE INVERSE SCATTERING TRANSFORM									
APPLICANT(S) FOR DO/EO/US Charles L. EPSTEIN and Jeremy MAGLAND									
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:									
1. ⊠ 2. □ 3. ⊠ 4. ⊠ 5. ⊠	This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9), and (21) indicated below.								
د ک	a. is attached hereto (required only if not communicated by the International Bureau). b. has been communicated by the International Bureau. c. is not required, as the application was filed in the United States Receiving Office (RO/US).								
6.	An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). a. \(\sum \) is attached hereto. b. \(\sum \) has been previously submitted under 35 U.S.C. 154(d)(4).								
7. 🗵	Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. are attached hereto (required only if not communicated by the International Bureau). b. have been communicated by the International Bureau. c. have not been made; however, the time limit for making such amendments has NOT expired. d. have not been made and will not be made.								
8.		An English translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).							
9.		he inventor(s) 35 U.S.C. 371(c)(4). (une	·						
10.	An English translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).								
Items 11. to 20 11. □ 12. □ 13. ⋈ 14. ⋈ 15. □ 16. □ 17. □ 18. □ 19. □ 20. ⋈	An Information Disclosure An assignment document included. A preliminary amendment An Application Data Shee A substitute specification. A power of attorney and/o A computer-readable form 1.825. A second copy of the publ A second copy of the Engl Other items or information	t under 37 CFR 1.76. or change of address letter. n of the sequence listing in accordance we dished international application under 35 lish language translation of the internation: B/308 (Notice Informing the Applicannated Offices); onal Search Report;	with PCT Rule 13ter.2 and 37 CFR 1.182- U.S.C. 154(d)(4). conal application under 35 U.S.C. 154(d)(4). at of the Communication of the International						
EXPRESS MAIL Mailing Label No. EV 482611515 US Date of Deposit: June 13, 2005									

JC20 Rec'd PCT/PTO 1 3 JUN 2005

U.S. APPLICATION NO A MEMOWN 37 C.P.R. 1.5) INTERNATION			AL APPLICATION NO.		ATTORNEY DOCKET NUMBER					
• · · · · · · · · · · · · · · · · · · ·		PCT/US2003/039714			UPN-4566					
The following fees are	submitted:									
21. A Basic national		\$300.00		\$300.00						
22. Examination f	ee	\$								
If International prelimi	nary examination repo	\$100.00								
satisfy provisions of Po	31 Article 33(1)-(4)	\$200.00								
All other situations		Search fee		·						
23.			1							
Search fee (37 CFR 1.4	445(a)(2)) has been par	\$100.00	, i							
USPTO as an Internati	eport prepared and pro									
All other situations	cport propared and pro									
TOTAL of 21 22 and	1 23 =				\$600.00					
Additional fee for	specification and draw	ets								
(evaluding sequence li	sting or computer prog	gram listing filed in elec	cirome ii	edium).						
The fee is \$250 for each	ch additional 50 sheets	of paper or fraction the	ereoi.			ľ				
	· ·	Number of each additional		RATE						
Total Sheets	Extra Sheets	up to a whole num	her)	KILL						
CO 100 -	0/50=	up to a whole hun		X \$250.00	\$ 0					
69-100 =	for furnishing the oath		\$							
the earliest claimed pr	iority date (37 CFR 1.4	192(e)).								
Claims	Number Filed	Number Extra		Rate	2450.00					
Total claims	29- 20 =	9		X \$50.00	\$450.00					
Independent Claims	4-3=	1		X \$200.00	\$200.00					
Multiple dependent cl	aims(s) (if applicable)		TAX CAN	+ \$360.00	\$ \$1,250.00					
	7	OTAL OF ABOVE O	CALCUI	ATIONS =	\$1,250.00					
Applicant claims s	small entity status. See	37 CFR 1.27. The fee	s maicai	ed above are	"					
reduced by 1/2.			SU	BTOTAL =	\$625.00					
Ding for of \$12	0.00 for furnishing the		\$,						
from the earliest claim	ned priority date (37 C	FK 1.492(I)).								
		TOTAL	NATIO	NAL FEE =	\$625.00					
Fee for recording the	enclosed assignment (37 CFR 1.21(h)). The	assignme	nt must be						
accompanied by an a	ppropriate cover sheet	(37 CFR 3.28, 3.31), 4	940.00 pc	i property .	\$625.00					
		TOTAL I	EES EN	CLOSED =	Amount to be:	\$				
	•				refunded					
					charged	\$				
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b. Please charge my Deposit Account No. 23-3050 in the amount of \$ to cover the above fees. A duplicate copy of										
this sheet is	enclosed.		•							
		. قاد د د د د د د د د د د د د د د د د د د	ditional f	ees which may	v he required, or credit	any overpayment				
c. The Commi	ssioner if hereby author	orized to charge any add A duplicate copy of thi	uiuonai I is sheet is	s enclosed.	y be required, or credit					
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NOTE: Where on	annronriate time limi	t under 37 CFR 1.495	has not	been met, a p	etition to revive (37 C	CFR 1.137(a) or				
(b)) must be filed a	nd granted to restore	the application to pen	iding sta	tus.	$1 \Omega \Omega \Omega$					
		* -		/hh.k	NIN Longa	m-				
SEND ALL CORRE	SPONDENCE TO:	vy vans								
SEND ALL CORREST STUDIES SIGNATURE										
John W. Caldwell	7.7.D	nam								
Woodcock Washbur		AME								
One Liberty Place - Philadelphia, PA 19										
(215) 568-3100	34,011									
(213) 300-3100	(215) 568-3100 REGISTRATION NUMBER									